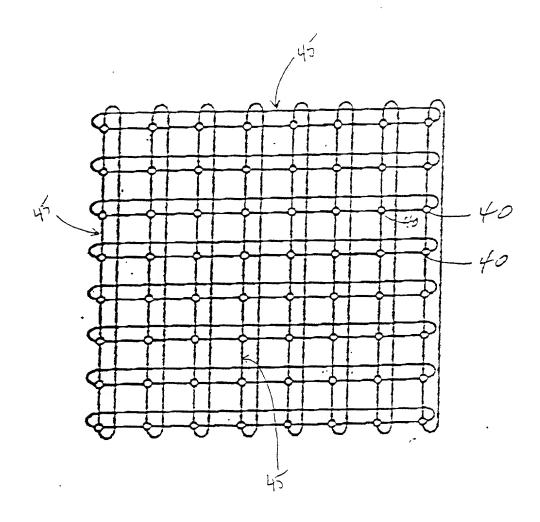
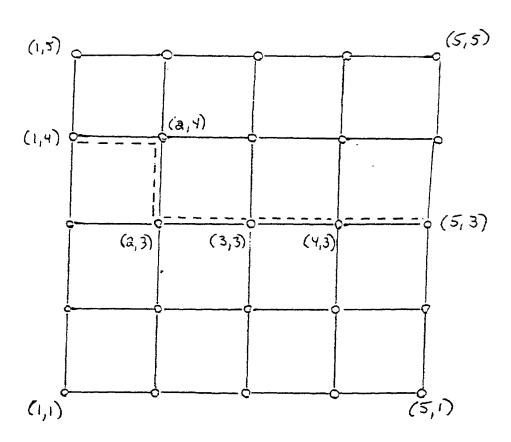
Title: A Switched Interconnection Network ...



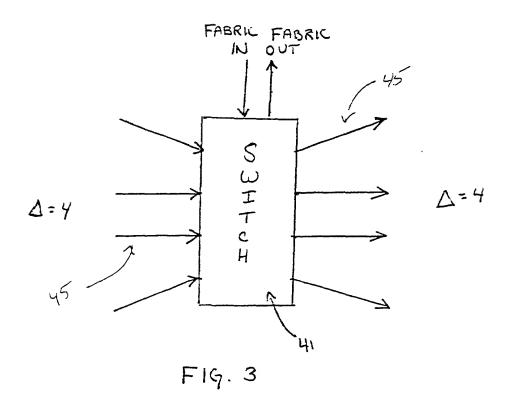
F19. 1

Title: A Switched Interconnection Network ...



F19.2

Title: A Switched Interconnection Network ...



Title: A Switched Interconnection Network ...

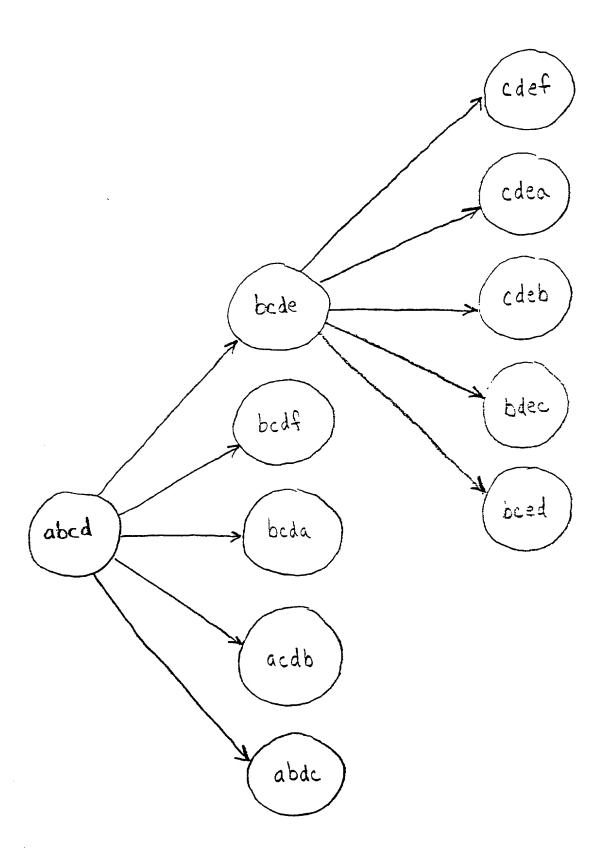
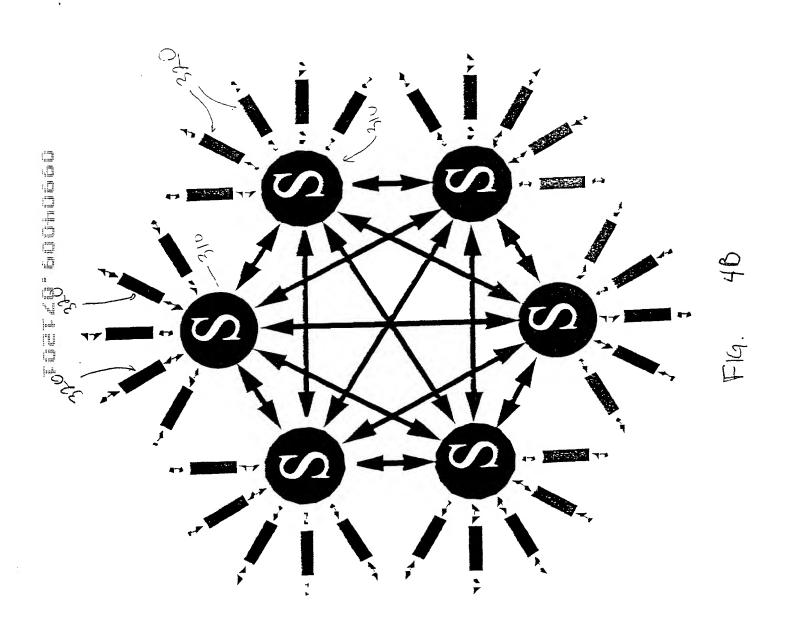


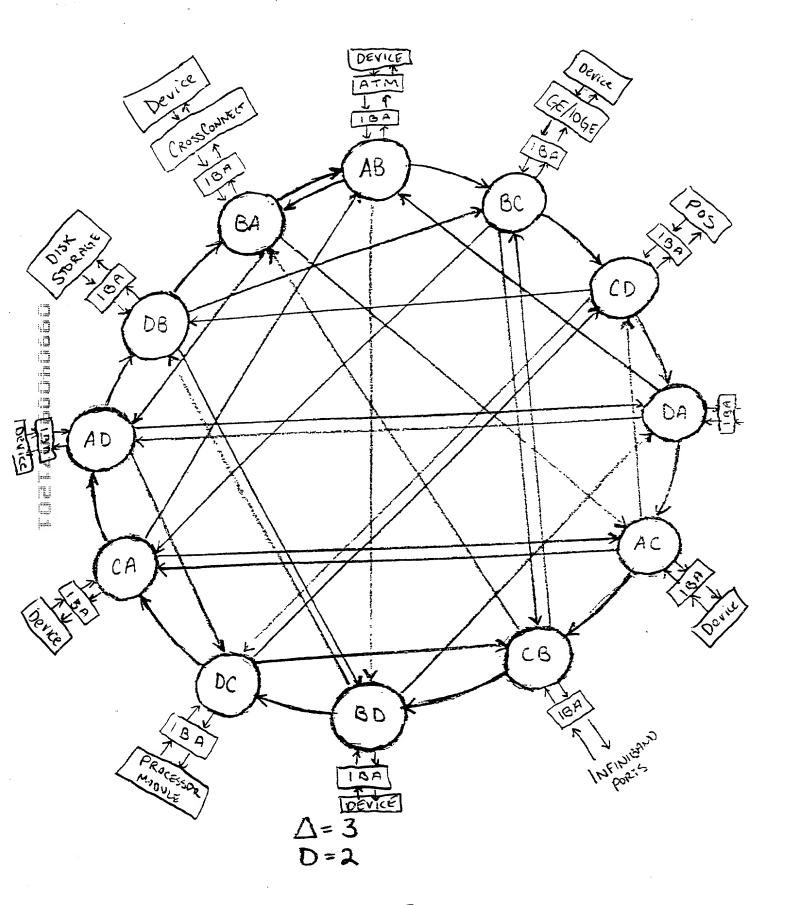
FIG. 40

Title: A Switched Interconnection Network ... Inventors: Philip P. Carvey



Title: A Switched Interconnection Network ...

Inventors: Philip P. Carvey



F14. 5A

Title: A Switched Interconnection Network ...

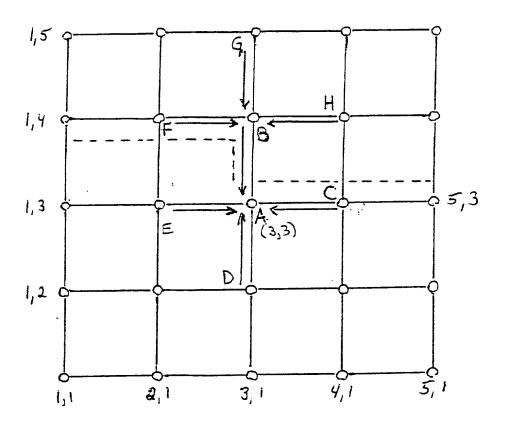
Inventors: Philip P. Carvey

ADJACENCY TABLES FOR NODES IN FIG. 5A

AB	AC	\mathbf{AD}
$AB \rightarrow BC$	$AC \rightarrow CB$	$AD \rightarrow DB$
$AB \rightarrow BD$	$AC \rightarrow CD$	$AD \rightarrow DC$
$AB \rightarrow BA$	$AC \rightarrow CA$	$AD \rightarrow DA$
BA	ВС	BD
$BA \rightarrow AC$	$BC \rightarrow CD$	$BD \rightarrow DA$
$BA \rightarrow AD$	$BC \rightarrow CA$	$BD \rightarrow DC$
$BA \rightarrow AB$	$BC \rightarrow CB$	$BD \rightarrow DB$
CA	СВ	CD
CA $CA \rightarrow AB$	$CB \to BD$	$\begin{array}{c} \mathbf{CD} \\ \mathbf{CD} \rightarrow \mathbf{DA} \end{array}$
$CA \rightarrow AB$	$CB \rightarrow BD$	$CD \rightarrow DA$
$CA \rightarrow AB$ $CA \rightarrow AD$ $CA \rightarrow AC$	$CB \rightarrow BD$ $CB \rightarrow BA$	$CD \rightarrow DB$
$CA \rightarrow AB$ $CA \rightarrow AD$	$CB \rightarrow BD$ $CB \rightarrow BC$	$CD \rightarrow DA$ $CD \rightarrow DC$
$CA \rightarrow AB$ $CA \rightarrow AD$ $CA \rightarrow AC$ DA	$CB \rightarrow BD$ $CB \rightarrow BA$ $CB \rightarrow BC$ DB	$CD \rightarrow DA$ $CD \rightarrow DC$ DC

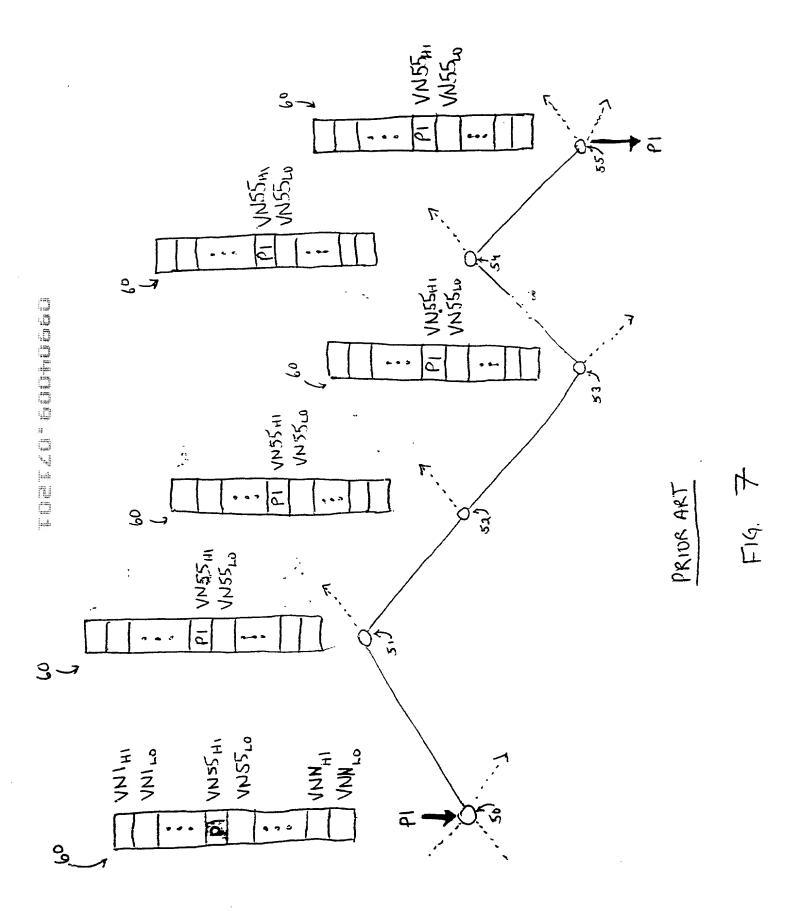
FIG. 5B

Title: A Switched Interconnection Network ...

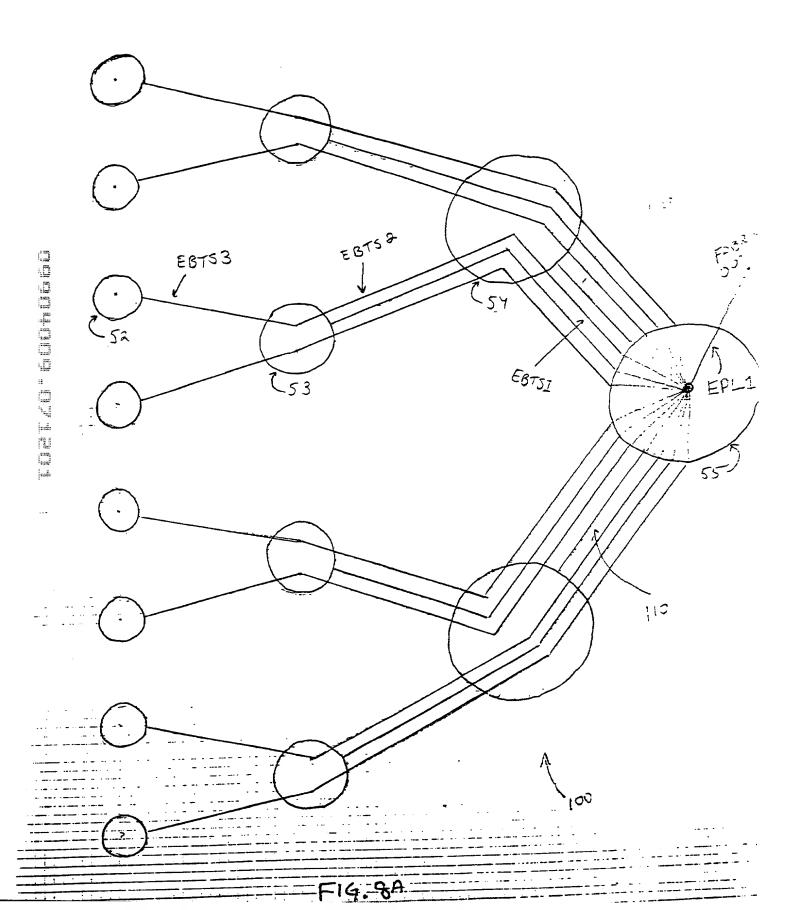


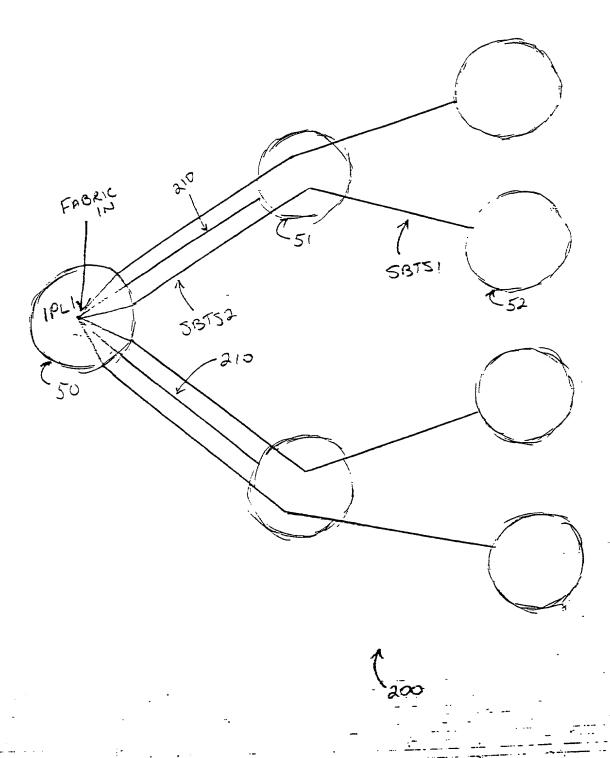
F19. 6

Title: A Switched Interconnection Network ...



Title: A Switched Interconnection Network ...



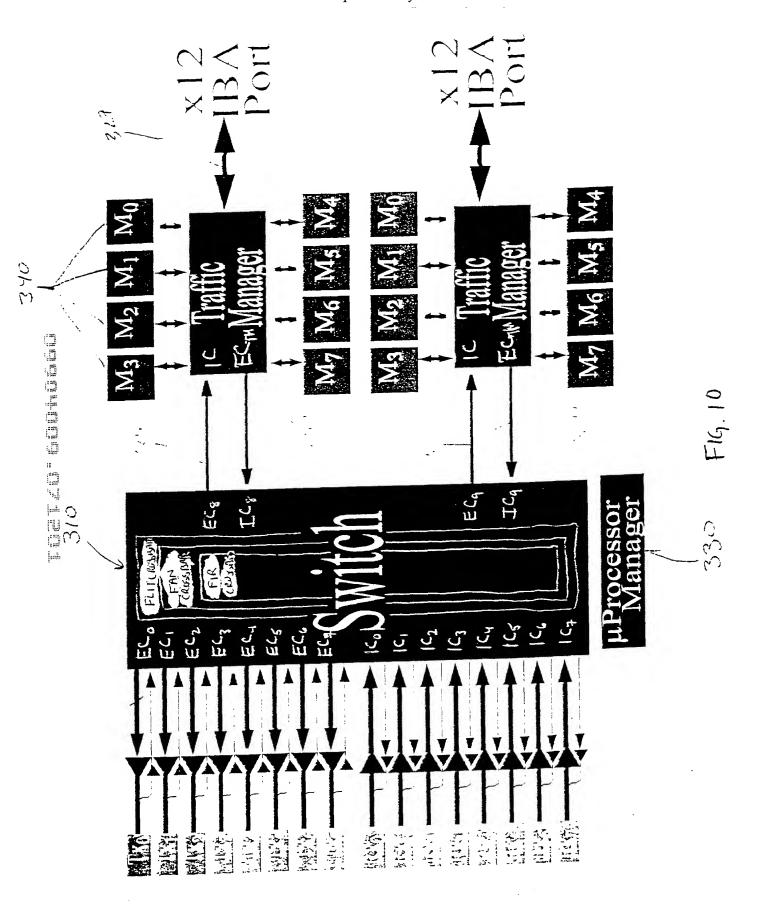


F14. 88

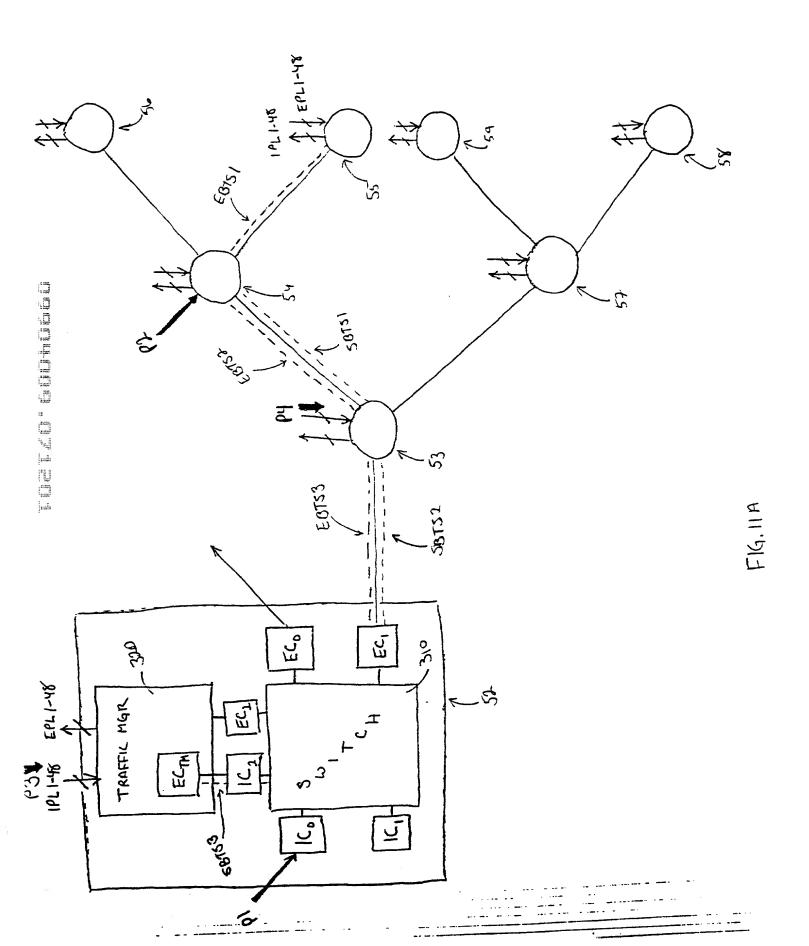
Docket No.: 2390.2003-000 Title: A Switched Interconnection Network ...
Inventors: Philip P. Carvey

Title: A Switched Interconnection Network ...

Inventors: Philip P. Carvey



Title: A Switched Interconnection Network ...

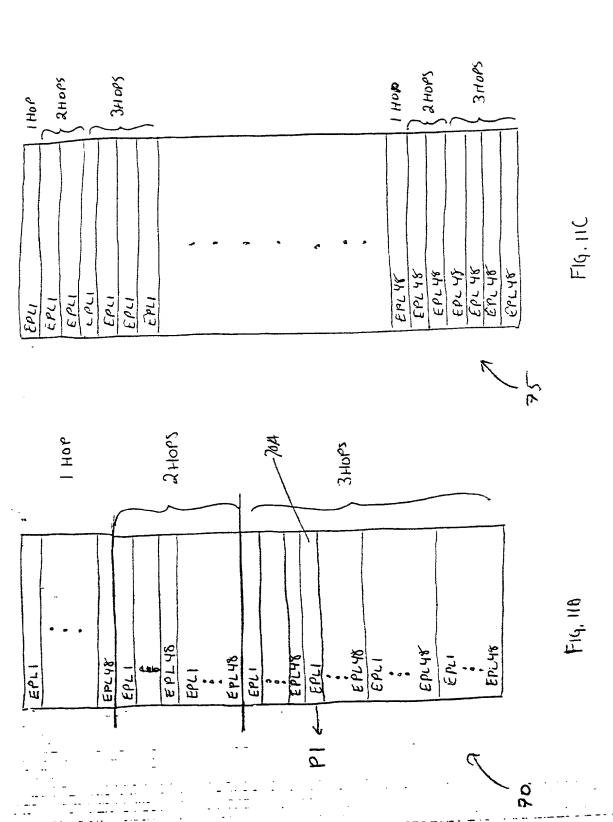


PACKET QUEUES FOR ESTISEGIMENTS

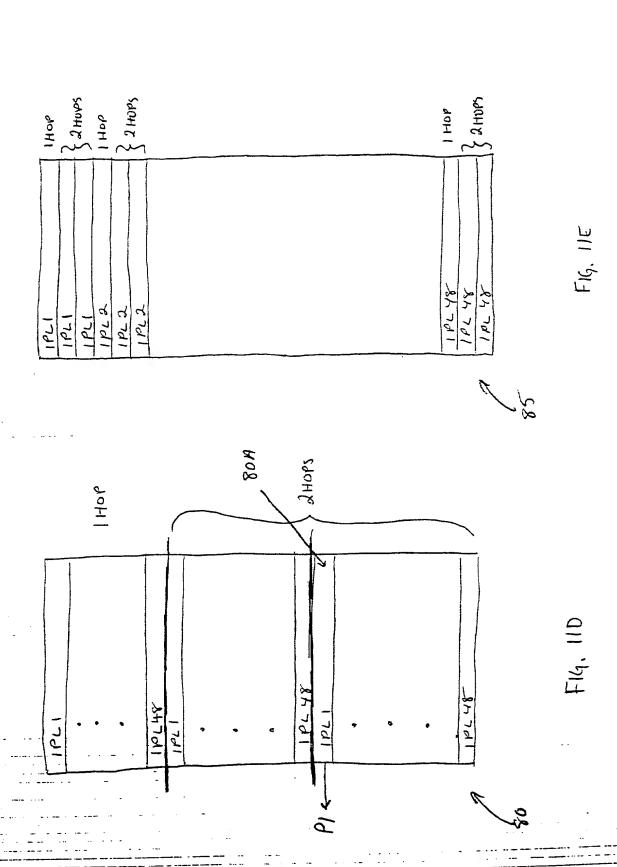
Docket No.: 2390.2003-000

Title: A Switched Interconnection Network ...

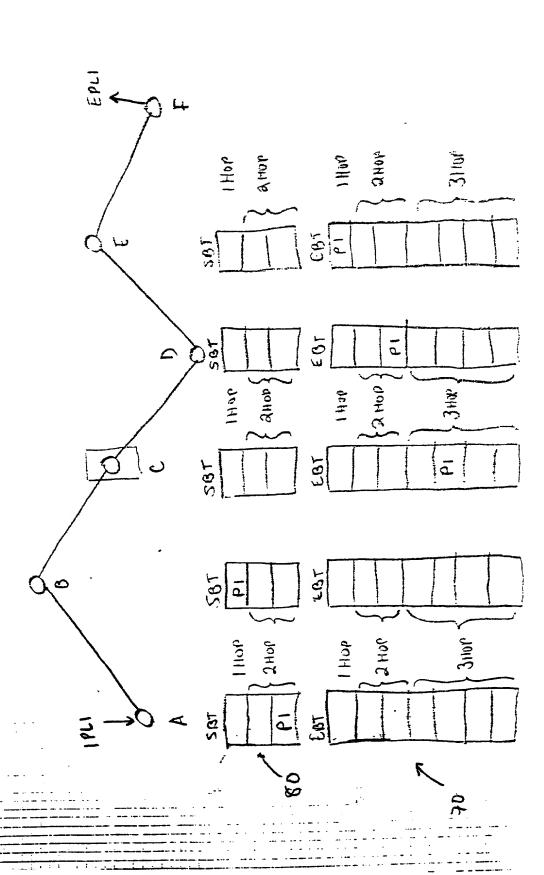
Philip P. Carvey



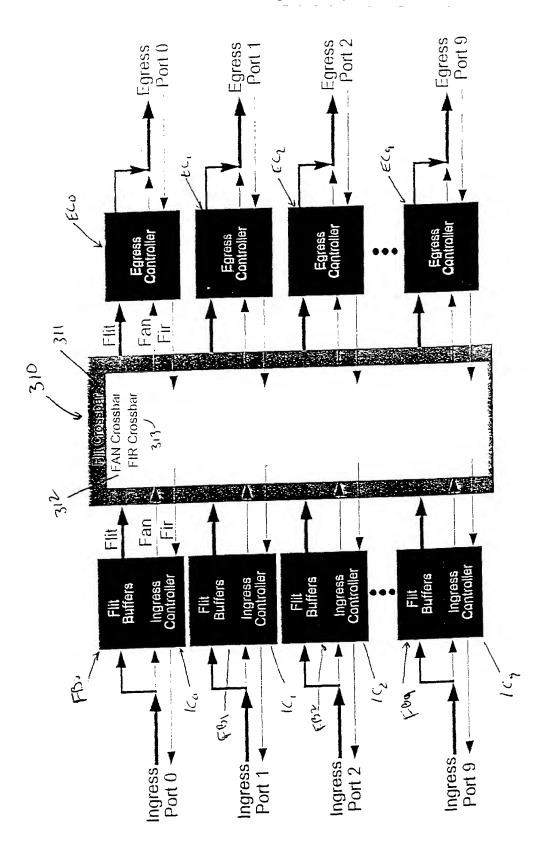
Title: A Switched Interconnection Network ...



Title: A Switched Interconnection Network ...



Title: A Switched Interconnection Network ...



F19, 12

Title: A Switched Interconnection Network ...
Inventors: Philip P. Carvey

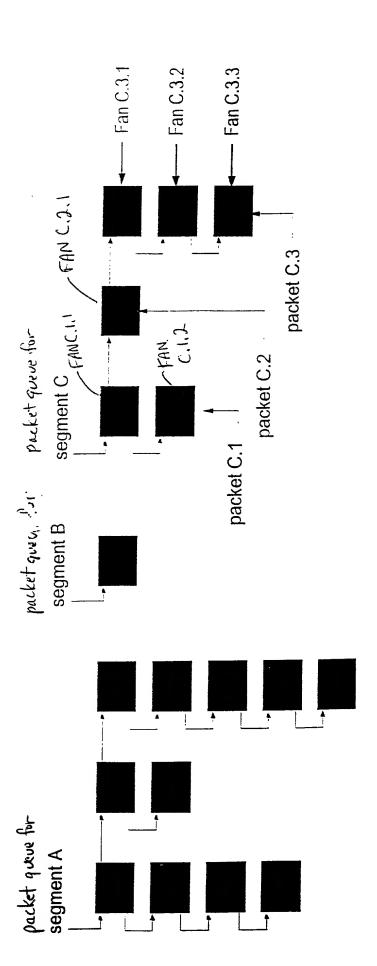
CONTROL STRUCTURE	SIZE (IN BITS)	DESCRIPTION
IngressPacketState	1280x35=44,300	Each IngressPacketState structure manages the storage of a partially received packet on one of the ingress ports.
EgressLaneState	(128x30=3,480)	Each EgresslaneState structure supplies information used to process received Credits.
AvailableEgressLane	(128×1)	Each flag indicates that a particular lane is available or in use.
FanState	(512x44=22,528)	Each FanState structure holds one FAN waiting to be converted into a FIR and pointers which allow creating a linked list of packets waiting on a particular channel and a linked list of FANs comprising a particular packet.
AvailableFanState	(512x1)	Each flag indicates that a particular local FanState structure is availably or in use.
WaitingForlanes	(2928x1)	Each flag indicates that a particular namel segment has a packet ready to be assigned to a lane as soon as one becomes available.
WaitingForFSM	(2928×1)	Each flag indicates that a particular channel has a FAN ready to be converted into a FIR as soon as the EgressController has bandwidth available to perform the conversion.
VaitingForFirFifo	(2304x1)	Each flag indicates that a particular lane has a FAN ready to convert into a FIR as soon as room in the FIR FIFO becomes non-full.
egmentPointer	(2938x13=38,194)	Each SegmentPointer points to a a queue of packets waiting on a tunnel segment.

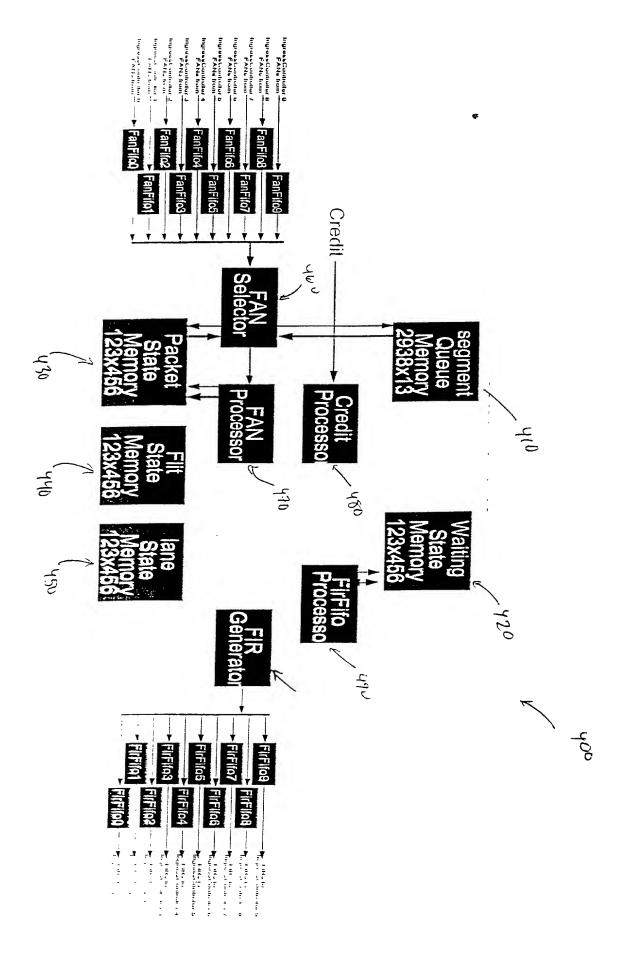
FIG. 13

Docket No.: 2390.2003-000

Title: A Switched Interconnection Network ...

Inventors: Philip P. Carvey





Philip P. Carvey

Title: A Switched Interconnection Network ... 2390.2003-000

Inventors:

Docket No.: